Ontario

Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

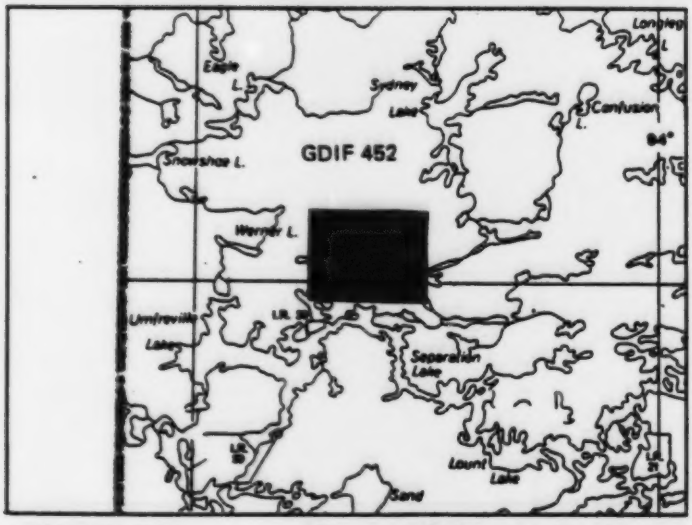
GDIF 452

REX LAKE AREA

(52 L/7 NE)

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 52 L/7 NE

Mining Claim Map Number Rex Lake Area G-2637 (M-2421)

This project was funded under the Canada Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1988: Rex Lake Area, District of Kenora, Patricia Portion; Ontario Geological Survey, Geological Data Inventory Folio 452, compiled by the staff of the Resident Geologist's Office, Kenora, 35p., 2 maps.

Original Compilation by: G. Vogg

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

89-03504/

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	GV Sept/87
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	GV Sept/87
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	GV Sept/87
6	ODM Industrial Mineral Reports	NO	GV Sept/87
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	GV Sept/87
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	GV Sept/87
9	Newspaper Clippings File	YES	GV Sept/87
10	GSC Index to Publications	YES	GV Sept/87
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	GV Sept/87
12	OGS Index Maps	YES	GV Sept/87
13	Source Mineral Deposit Records (O.G.S./MDIR's(O.G.S.)/NMI's(E.M.R.)	NO	GV Sept/87
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	GV Sept/87
16	ODM Geological Circulars: OGS Study Series	NO	GV Sept/87
17	ODM Preliminary Reports: ODM Bulletins	NO	GV Sept/87
18	ODM – OGS Open File Reports	NO	GV Sept/87
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	GV Sept/87
20	OGS Aggregate Resources Inventory Papers	NO	GV Sept/87
21	OGS Mineral Potential Maps	YES	GV Sept/87
22	Theses on File, Kenora	NO	GV Sept/87
23	Aerial Photos on File, Kenora	YES	GV Sept/87
24	Topographic Maps on File, Kenora		
	ODM Maps (1:20,000)	NO	GV Sept/87
	NTS Maps (1:50,000)	YES	GV Sept/87

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . Anhydrite
△ ank. . . . . Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . Apatite
△ arg . . . . . Argentite
△ As . . . . . Arsenic
△ asp . . . . . Arsenopyrite
△ asb . . . . . Asbestos
△ ba. . . . . Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
▲ bn . . . . . Bornite
△ bran . . . . . Brannerite
△ bruc . . . . . Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . Carbonate
△ cel . . . . . Celestite
△ cc. . . . . Chalcocite
▲ cp. . . . . Chalcopyrite
△ ch. . . . . Chert
△ clay . . . . . Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . Columbite
▲ Cu . . . . . Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . Feldspar
△ fl . . . . . Fluorite (flurospar)
△ fu. . . . . Fuchsite
△ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . Goethite
▲ Au . . . . . Gold
△ gf. . . . . Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
▲ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . Marl
△ mi . . . . . Mica
△ mi . . . . . Millerite
▲ mo . . . . . Molybdenite
▲ Mo . . . . . Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . Niobium
△ Pd . . . . . Palladium
△ peat . . . . . Peat
▲ pent . . . . . Pentlandite
△ Pt. . . . . Platinum
▲ py . . . . . Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . Pyrolusite
▲ po . . . . . Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . . Quartz carbonate vein
△ ra. . . . . Radioactive minerals
△ RE . . . . . Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . Silver
△ sl . . . . . Slate
△ sm . . . . . Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . Sphalerite
△ spd . . . . . Spodumene
△ staur . . . . . Staurolite
△ stib. . . . . Stibnite
△ st . . . . . Stone
△ talc. . . . . Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . Thorite
△ Th . . . . . Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . Uranium
△ verm . . . . . Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . Zinc
△ zr. . . . . Zircon
▲*PM..."Precious Metals" (may include Ag &/or PGM's)
▲Cr. . . . . Chromium
▲MoS_2.Molybdenum sulfide (assay)
▲s. . . . . sulfides

* see Notes and Addenda - Note A

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Radio-Active Minerals Ltd. - Rex Lake Occurrence (Turcotte No. 1? Occurrence)	Cu, cp, po mc, pent?			OGS Maps P.1539, P.2394 The Precambrian, Vol. 22, Apr/49, p.54 Assessment files, Kenora 52 L/7 NW; S-2 52 L/7 NE; B-1, F-4
B	Quebec Nickel Corp. - Rex Lake Occurrence (Turcotte No. 2? Occurrence)	Cu,PM,Pb,cp, py, hem, po?			OGS Maps P.1539, P.2394 Assessment files, Kenora 52 L/7 NW; S-2 52 L/7 NE; C-3, F-4
C	KRL 33380/KRL 33381 Occurrence	Cu, PM, cp, po, py			Assessment files, Kenora 52 L/7 NW; E-2 (B1), N-2
D	Eastern Mining & Smelting Corp. - Rex Lake Occurrence (Turcotte No. 3? Occurrence)	Cu,PM,Ni,cp, po,py,bn			OGS AR Vol.66, pt 4, p.24 & map 1957-3 OGS Map P.2394 The Precambrian, Vol. 22, Apr/49, p. 54 Assessment files, Kenora 52 L/7 NW; E-2 (B1), S-2, N-2
E	Frederick Mining & Development Ltd. - No. 1 Occurrence	Cu,PM,Au,py, po,cp,sp,mag			The Precambrian, Vol. 22, Apr/49, p. 54 Assessment files, Kenora 52 L/7 NE; C-1, C-5, D-1, F-1

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
F	Frederick Mining & Development Ltd. - No. 2 Occurrence	Au, py, po			The Precambrian, Vol. 22, Apr/49, p. 54 Assessment files, Kenora 52 L/7 NE; D-1, J-1
G	Frederick Mining & Development Ltd. - No. 3 Occurrence	PM,Au,py, po, cp			Assessment file, Kenora 52 L/7 NE; D-1, J-1, C-2
H	North Occurrence (Steeprock Trenches Nos. 8,9, & 10) (Noranda Trenches A,B,C,D,E)	Cu,Mo,cp,po, py,mo,mag, hem			OGS Maps P.1539, P. 2394 Assessment files, Kenora 52 L/7 NE; G-2, H-1, O-1, O-2
I	Perkins Occurrence (Steeprock Trenches Nos. 1,2,3,3A, 4,4A,4,5,6,13,15,16) (Noranda Trench G)	Cu,cp,py,po, mag,hem			OGS Maps P.366, p. 1028, P.1539, P. 2394 Assessment files, Kenora 52 L/7 NE; G-1, G-2, H-1, O-1, O-2
J	Bug Lake Occurrence (Steeprock Trenches Nos. 11, 12) (Noranda Trench F)	Cu,cp,po,py, mag , hem			OGS Maps P.1539, P.2394 Assessment files, Kenora 52 L/7 NE; G-1, G-2, H-1, O-1, O-2
K	Unnamed Occurrence	Cu,cp,po,py mag,hem			OGS Maps P. 1539, P. 2394 Assessment files, Kenora 52 L/7 NE; G-1, G-2, H-1, O-1, O-2
L	Unnamed Occurrence	cp, mag			Assessment files, Kenora 52 L/7 NE; H-1
M	Unnamed Occurrence	cp			Assessment files, Kenora 52 L/7 NE; H-1,O-1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
N	Unnamed Occurrence	Cu?			Assessment files, Kenora 52 L/7 NE; H-1, O-1
O	Bergman Occurrence	Cu			OGS Map P. 1028 Assessment files, Kenora 52 L/7 NE; H-1
P	Hansen Occurrence	Cu, cp,py			OGS Map P. 1028 Assessment files, Kenora 52 L/7 NE; H-1
Q	Unnamed Occurrence (Steeprock Trench No. 14?)	Cu?			OGS Maps P. 1539, P. 2394 Assessment files, Kenora 52 L/7 NE; G-1, H-1, O-1
R	Unnamed Occurrence	cp, mc (float)			Assessment files, Kenora 52 L/7 NE; O-1
S	Unnamed Occurrence	Cu, Ni (basic float)			Assessment files, Kenora 52 L/7 NE; H-1
T	Unnamed Occurrence	Cu, py			Assessment files, Kenora 52 L/7 NE; B-1
U	Unnamed Occurrence	po,py			Assessment files, Kenora 52 L/7 NE; I-1, I-2

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1.	Arcadia Nickel Corp. Ltd. 52L/7 NE & NW											55	55							
2.	Canadian Nickel Co. Ltd. 52L/7 NE; A-1											62	62							
3.	Canadian Nickel Co. Ltd. 52L/7 NE; A-2											62	62							
4.	Canadian Nickel Co. Ltd. 52L/7 NE; A-3				62															
5.	Duvan Copper Co. Ltd. 52L/7 NE; B-1	69.																		
6.	Eastern Mining & Smelting Corp. Ltd. 52L/7 NE; C-1				56	56														
7.	Eastern Mining & Smelting Corp. Ltd. 52L/7 NE; C-2				56	56														
8.	Eastern Mining & Smelting Corp. Ltd. 52L/7 NE; C-3				56	56														

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
9.	Eastern Mining & Smelting Corp. Ltd. 52L/7 NE; C-4				56															
10.	Eastern Mining & Smelting Corp. Ltd. 52L/7 NE; C-5				56															
11.	Frederick Mining & Development Ltd. 52L/7 NE; D-1	48		48		48						48								
12.	Nickel Mining & Smelting Corp. (Geoteco Option) 52L/7 NW; L-1	62										62								
13.	Noranda Exploration Co. Ltd. 52L/7 NE; O-1	85		85		85						85	85							
14.	Noranda Exploration Co. Ltd. 52L/7 NE; O-2					85														
15.	Quebec Nickel Corp. 52L/7 NE; F-1				55	55														
16.	Quebec Nickel Corp. 52L/7 NE; F-2				53															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	News Clippings		
17.	Quebec Nickel Corp. 52L/7 NE; F-3				53															
18.	Quebec Nickel Corp. 52L/7 NE; F-4			55?	55	55														
19.	Quebec Nickel Corp. 52L/7 NE; F-5				53															
20.	Quebec Nickel Corp. 52L/7 NW; N-2							53												
21.	Rio Tinto Canadian Expl. Ltd. 52L/7 NE; G-1														64		64			
22.	Rio Tinto Canadian Expl. Ltd. 52L/7 NE; G-2				64	64												64		
23	Steeprock Iron Mines Ltd. 52L/7 NE; H-1	62, 63		63								63	63			63				
24.	Stratmat Ltd. (Sogemines Development Co.Ltd.) 52L/7 NE; I-1				58	58														
25.	Stratmat Ltd. (Sogemines Development Co.Ltd.) 52L/7 NE; I-2	58										58					58			

GDIF FORM NO. 2

Rex Lake Area

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	News Clippings		
	COMPANY/AUTHOR (file number)																			
26.	Three Brothers Mining Expl. Ltd. 52L/7 NE; J-1				56															
27.	Three Brothers Mining Expl. Ltd. 52L/7 NE; J-2							56										56		
28.	Toburn Gold Mines Ltd. 52L/7 NE; K-1	49										49								
29.	Toburn Gold Mines Ltd. 52L/7 NE; K-2	49										49								
30.	Young, Young & Gross Ltd. 52L/7 NW; S-2	48				48														
31.	General File - Werner-Rex Lake Area 52L/7 NW & NE	48 49						48												
32.	General File - Cons. Can. Faraday Ltd. *A5-Eastern Mining & Smelting Corp. Ltd. 52L/7 NW; E-2				56	56														

GDIF FORM NO. 2

TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
33. General File - Cons. Can. Faraday Ltd. *All-Geotechnical Development Co. Ltd. for Nickel Mining & Smelting Corp. 52L/7 NW; E-2	62							62			62								
34. General File - Cons. Can. Faraday Ltd. *B1-Quebec Nickel Corp. 52L/7 NW; E-2				53	53														
35. General File - Cons. Can. Faraday Ltd. *D2, Map Roll 4 35a) Frederick Mining & Development Ltd. 35b) Unknown 52L/7 NW; E-2	48 ?		48								48								

NOTE: * See Notes and Addenda (INDEX TO KENORA ASSESSMENT FILE 52 L/7 NW; E-2) for explanation of this filing scheme.

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
1.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22151	Feb/62	N	-60°	258.0	258.0	none	
2.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22152	Feb/62	S	-65°	129.0	570.0	none	
3.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22153	Feb/62	N	-65°	193.0	454.0	none	
4.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22154	Feb/62	N	-65°	72.0	555.0	none	
5.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22155	Mar/62	N	-60°	135.0	562.0	py,cp	
6.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22156	Mar/62	N	-60°	182.0	520.5	none	samples, but no assays
7.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22157	Mar/62	N	-60°	103.0	491.0	none	
8.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22158	Mar/62	N	-60°	57.0	380.0	none	
9.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22159	Mar/62	S	-55°	171.0	506.0	none	
10.	Canadian Nickel Co. Ltd. (International Nickel Co.Ltd.)	22160	Mar - Apr/62	S	-55°	166.0	523.0	none	
11.	Quebec Nickel Corp.	36310-1[1]	1955?	S	?	?	?	?	?
11.	Quebec Nickel Corp.	36310-2[1]	1955?	N	?	?	?	?	?

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
11.	Quebec Nickel Corp.	36310-3[1]	1955?	N	?	?	?	?	?
12.	Quebec Nickel Corp.	36310-4[1]	1955?	N	?	?	?	?	?
12.	Quebec Nickel Corp.	36310-5[1]	1955?	S	?	?	?	?	?
12.	Quebec Nickel Corp.	36310-6[1]	1955?	N	?	?	?	?	?
13.	Quebec Nickel Corp.	36310-7	July/55	180°	-45°	0.0	32.0	py	Cu, Ni, Ag
13.	Quebec Nickel Corp.	36310-8	July/55	000°	-45°	0.0	40.0	py, cp	Cu, Ni, Ag
14.	Quebec Nickel Corp.	36311-9[1]	1955?	S	?	?		?	?
15.	Quebec Nickel Corp.	A-2	June/55	N4°E	-60"	0.0	28.0	po,py,cp,mag	Cu,Ni,Au,PM
16.	Quebec Nickel Corp.	33345-1[1]	1955?	SE	?	?	?	?	?
16.	Quebec Nickel Corp.	33345-2[1]	1955?	S	?	?	?	?	?
16.	Quebec Nickel Corp.	33345-3	Aug/55	S	-45°	0.0	45.0	cp	Cu,Ni,Ag
16.	Quebec Nickel Corp.	33345-4[1]	1955?	N	?	?	?	?	?
17.	Quebec Nickel Corp.	33345-5[1]	1955?	S	?	?	?	?	?
17.	Quebec Nickel Corp.	33345-6[1]	1955?	N	?	?	?	?	?
17.	Quebec Nickel Corp.	33345-7	Aug/55	N	-45°	0.0	60.0	cp, po	Cu,Ni,Ag
17.	Quebec Nickel Corp.	33345-8[1]	1955?	S	?	?	?	?	?
18.	Quebec Nickel Corp.	33345-9[1]	1955?	S	?	?	?	?	?

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
18.	Quebec Nickel Corp.	33345-10	Aug/55	000°	-45°	0.0	53.0	cp, po	Cu,Ni,Ag
19.	Quebec Nickel Corp.	33334-11	Aug/55	000°	-45°	0.0	57.0	cp,po,pent?	sampled but no assays
19.	Quebec Nickel Corp.	33334-12[1]	1955?	S	?	?	?	?	?
20.	Quebec Nickel Corp.	33334-13	Aug/55	000°	-45°	0.0	60.0	cp, po	sampled but no assays
20.	Quebec Nickel Corp.	33334-14	Aug/55	180°	-45°	0.0	55.0	cp	sampled but no assays
21.	Quebec Nickel Corp.	33355-16	Sept/55	N3°W	-45°	0.0	36.5	cp	Cu, Au
21.	Quebec Nickel Corp.	33355-17	Sept/55	S3°E	-45°	0.0	45.0	cp	Cu
22.	Quebec Nickel Corp.	33355-15	Aug - Sept/55	000°	-45°	0.0	45.0	cp	sampled but no assays
22.	Quebec Nickel Corp.	33355-18	Sept/55	N4°W	-45°	0.0	28.0	cp	not sampled
22.	Quebec Nickel Corp.	33355-19[1]	1955?	S	?	?	?	?	?
23.	Quebec Nickel Corp.	33355-20	Sept/55	N4°W	-45°	0.0	32.5	cp	Cu
23.	Quebec Nickel Corp.	33355-21	Sept/55	S3°E	-45°	0.0	26.5	none	not sampled
24.	Rio Tinto Canadian Exploration Ltd.	1	Feb/64	264.5°[m]	-50°	6.0	258.0	cp,py,po,mag,hem	not sampled
25.	Rio Tinto Canadian Exploration Ltd.	2	Feb/64	265°[m]	-45°	6.0	260.0	cp,py,po,mag	Cu,Zn,Au

GOIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
26.	Rio Tinto Canadian Exploration Ltd.	3	Feb/64	206°m	-45°	31.0	251.0	cp,py,po,mag, hem	Cu,Zn,Au,Co, Ni
27.	Rio Tinto Canadian Exploration Ltd.	4	Feb/64	206°m	-45°	13.0	304.0	cp,py,mag	Cu,Ni,Au
28.	Rio Tinto Canadian Exploration Ltd.	5	Feb/64	265°m	-55°	29.0	275.0	cp,py,po	Cu,Ni,Co,Cr
29.	Rio Tinto Canadian Exploration Ltd.	6	Feb/64	265°m	-50°	31.0	235.0	cp,po,py,mag	Cu,Au
30.	Rio Tinto Canadian Exploration Ltd.	7	Mar/64	265°m	-50°	38.0	43.0	none	
30.	Rio Tinto Canadian Exploration Ltd.	8	Mar/64	265°m	-50°	38.2	257.0	cp,po,py,mag, hem	Cu
31.	Rio Tinto Canadian Exploration Ltd.	9	Mar/64	265°m	-45°	0.0	186.0	cp,po,sp	Cu,Zn
32.	Rio Tinto Canadian Exploration Ltd.	10	Mar/64	251.5°	-45°	10.0	189.0	cp,po,py,mag	Cu,Au
32.	Rio Tinto Canadian Exploration Ltd.	11	Mar/64	251.6°	-45°	8.0	151.0	cp,py,mag	Cu
33.	Rio Tinto Canadian Exploration Ltd.	12	Mar/64	251.5°	-45°	0.0	156.0	cp	Cu,Au
33.	Rio Tinto Canadian Exploration Ltd.	13	Mar/64	251.5°	-45°	7.0	156.5	cp,py,po,hem	Cu

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
34.	Rio Tinto Canadian Exploration Ltd.	14	Mar/64	252.5°	-50°	0.0	162.0	cp,py,po,mo,hem mag	Cu,Ni,Au, MoS_2
34.	Rio Tinto Canadian Exploration Ltd.	15	Mar/64	252.5°	-50°	7.0	214.0	cp,hem,mag	Cu
34.	Rio Tinto Canadian Exploration Ltd.	16	Mar/64	252.5°	-50°	0.0	173.0	cp,py,po,hem	Cu
34.	Rio Tinto Canadian Exploration Ltd.	17	Mar/64	252.5°	-75°	0.0	240.0	cp,py,po,mo,hem, mag	Cu,Ni,Au,Ag, Co,MoS_2
35.	Stratmat Ltd.	D-1	May-June/58	S	-45°	10.0	250.0	po	Cu,Ni
36.	Stratmat Ltd.	D-2	June/58	S10°E	-45°	0.0	253.0	py	
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB1	Aug/56	S10°W	-40°	18.0	84.0	s	
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB2	Aug/56	S20°W	-45°	0.0	100.0	py	assays not available
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB3	July/56	S55°W	-45°	10.0	49.0	s	
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB4	July/56	S20°E	-50°	8.0	55.0	s	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB5	Aug/56	S	-70°	8.0	100.0	py,po	assays not available
37.	Three Brothers Mining Expl. Ltd. (Pioneer Consultants Ltd.)	TB6	Aug/56	N40°W	-40°	12.0	100.0	py	
37.	Three Brothers Mining Exp. Ltd.	1A	Oct/56	S^{m}	-50°	17.0	800.0	py,po	
38.	Three Brothers Mining Expl. Ltd.	2A	Oct/56	S46°W^{m}	-45°	117.0	485.0	py,po	
39.	Three Brothers Mining Expl. Ltd.	3A	Oct/56	N15°E^{m}	-45°	10.0	550.0	py,po	
40.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36288-1	July/56	000°	-45°	14.0	400.0	py	Cu,Ni,PM
40.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36288-2	July/56	180°	-45°	13.0	563.0	cp,py	Cu,Ni,PM
41.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36283-1	July/56	N	-45°	12.0	500.0	cp	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
42.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36311-1	June/56	S	-45°	17.0	305.6	py, po	Cu,Ni,Ag
43.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36310-1	June/56	180°	-45°	11.0	450.0	py,po,cp,mag	Cu,Ni,PM
44.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36310-2	June/56	180°	-45°	15.0	455.5	s	Cu,Ni,PM
45.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36310-3	June - July/56	180°	-45°	33.0	457.0	py,cp	Cu,Ni,PM
46.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	33355-1	July/56	S	-45°	33.0	559.0	cp,py,hem	Cu,Ni,Pb,PM
47.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	33355-2	July - Aug/56	S	-45°	42.0	598.0	cp,py,hem	Cu,Ni,PM
48.	General File - Cons. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	33376-1	April - May/56	S	-45°	10.0	428.5	cp	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
49.	General File - Cpns. Can. Faraday donation A5 (Eastern Mining & Smelting Corp. Ltd.)	36317-1	May/56	180°	-45°	16.0	105.0	none	
50.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-1	May/53	S	-45°	8.0	398.0	cp,py,bn	Cu
51.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-2	May/53	S	-45°	50.0	300.0	cp,py,po	Cu,PM
52.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-3	May/53	S	-45°	19.0	222.0	cp,py,po	Cu,Au,PM
53.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-4[1]	1953?	S?	?	?	325.0+?	?	Cu,Ni,Au,Ag
53.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-5[1]	1953?	S?	?	?	397.0+?	?	Cu,Ni,Au,Ag
54.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-6[1]	1953?	S?	?	?	262.5+?	?	Cu,Ni,Au,Ag
55.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-7[1]	1953?	S?	?	?	245.0+?	?	Cu,Ni,Au,Ag

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
56.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-8[1]	1953?	S?	?	?	168.0+?	?	Cu,Ni,Au,Ag
57.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-9	June/53	150°	-45°	28.0	600.0	none	
58.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-10	June/53	150°	-45°	26.0	406.0	cp,py	Cu,Ni,Au,Ag
59.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-11	June - July/53	150°	-45°	67.0	515.0	cp,py	Cu,Ni,Au,Ag
60.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-12	July/53	175°	-41°	83.0	370.0	py	
61.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-13	July/53	N	-45°	25.0	561.0	cp,py	
62.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-14	July/53	N	-45°	72.0	555.0	"mineralized paragneiss"	
63.	General File - Cons. Can. Faraday donation B1 (Quebec Nickel Corp.)	R-15	Aug/53	320°	-45°	63.0	195.0	py	not sampled

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
64.	General File - Cons. Can. Faraday donation BI (Quebec Nickel Corp.)	R-16	Aug/53	S	-45°	15.0	525.0	none	

Note:

1 No drill log available

m Bearing with respect to magentic north

GDIF FORM NO. 3

Rex Lake Area

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data on file as of Sept., 1987[1]				

[1] AM anomalies shown on Data map are interpreted by report (Kenora Assessment file 52 L/7 NW; L-1) from GSC-ODM aeromagnetic map 1189G.

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data on file as of Sept., 1987			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No data available for this area as of Sept., 1987

Age dating is available for adjacent areas in Manitoba. Refer to OGS OFR 5592 accompanied by OGS Map P.2843

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office, Kenora

Rio Tinto Canadian Exploration Ltd.

Steeprock Iron Mines Xtd.

Three Brothers Mining Exploration Ltd.

ODM GENERAL INDEX SEARCH

Words searched: Aero Prospecting Syndicate, Arcadia Nickel Corp., Bergman Occ., Bug Lake Occ., Cabin Lake, Canadian Nickel Co., Duvan Copper Co., Eastern Mining & Smelting Corp., Fletcher Lake, Frederick Mining & Development Ltd., Gone Lake, Hansen Occ., KRL 33380/33381 Occ., Nickel Mining & Smelting Corp., Noranda Mines Ltd., North Occ., Perkins Occ., Quebec Nickel Corp., Radio-Active Minerals Ltd., Rex Lake, Rio Tinto Canadian Expl. Ltd., Steeprock Iron Mines Ltd., Stratmat Ltd., Three Brothers Mining Expl. Ltd., Toburn Gold Mines Ltd., Turcotte Occ., Winding River

Index Volume	Listing:	Report Volume	Part	Page
3	Rex Lake, north of Oneman Lake			
	Aerial photo	39	3	24
	Granodiorite, analysis	39	3	36
	Winding River, Oneman Lake			
	Rocks	39	3	36
4	Radio-Active Minerald Ltd.	58	1	46
	Change of Name			
5	Radio-Active Minerals Ltd.	62	1	61
	Name changed			
6	Frederick Mining and Development Ltd.			
	Explorations, Werner Lake area	66	4	2
	Radio-Active Minerals Ltd.			
	Explorations, Werner Lake area	66	4	2
	Rex Lake, east of Werner Lake			
	Geology of the area, report on (with map)	66	4	30 pages
	Toburn Gold Mines Ltd.			
	Explorations, Werner Lake area	66	4	2
8	Rex-Werner Lakes Area, Kenora District (Patricia)			
	nickel/copper	MP47		54

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Ayres, L.D., Lumbers, S.B. Milne, V.G., Robeson, D.W.	1971	Ontario Geological Map, West Central Sheet	ODM Map 2199	1" = 16 miles (1:1,013,760)
Breaks, F.W., Bond, W.D. McWilliams, G.H., Gower, C.F., Findlay, D., Stone, D.	1975	Operation Kenora - Sydney Lake, Umfreville - Separation Lakes Sheet, District of Kenora	ODM Map P. 1028	1" = 1 mile (1:63,360)
Davies, J.C., Pryslak, A.P.	1966	Lower English River Sheet, District of Kenora	ODM Map P. 366	1" = 2 miles (1:126,720)
Ferguson, S.A., Brown, D.D., Davies, J.C., Pryslak, A.P.	1970	Red Lake - Birch Lake Sheet, District of Kenora, Geological Compilation Series	ODM Map 2175	1" = 4 miles (1:253,440)
Easton, R.M.	1986	Geochronology Compilation Map for Ontario, Sheet 4, West-Central Ontario, All Isotopic Systems	OGS Map P. 2843	1" = 16 miles (1:1,013,760)
OGS	1985	Ontario Mineral Map	OGS Map 2472	1" = 25 miles (1:1,584,000)
OGS	1986	Geological Highway Map, Northern Ontario	OGS Map 2506	1:1,600,000
Tanton, T.L.	1939	Kenora Sheet, Ontario. Canada Department of Mines and Resources	GSC Map No. 266A	1" = 8 miles (1:506,880)
Thurston, P.C., Bartlett, J.R.	1981	Lower English River Sheet (revised), District of Kenora	OGS Map P. 2394	1" = 2 miles (1:126,720)

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
GEO - Analysis Ltd.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada.	OF 82-12 (Image 3125, Map 1)	1:250,000
ODM - GSC	1962	Umfreville Lake, Ontario, NTS Sheet 52 L/6, Geophysics Paper 1189, Aeromagnetic Series	ODM - GSC Map 1189 G	1" = 1 mile (1:63,360)
OGS - GSC	1977	Airborne Gama-Ray Spectrometry, Point du Bois Sheet, District of Kenora (Patricia Portion). Geophysical Series.	Preliminary Maps P. 1320 to P. 1354	1" = 4 miles (1:253,440)
GSC	1984	Airborne Gama Ray Spectrometric Maps, Lake of the Woods, Manitoba - Ontario (Sheet 36252G)	GSC Open File 1067	1:1,000,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Jenkins, G.C., Hoffman, D.W., Smith, R.E., Zoltai, S.C.	1975	Soil Capability for Agriculture, Pointe du Bois, NTS Sheet 52 L/7, Lands Directorate, Environment Canada.		1:250,000
Sado, E.V., Carswell, B.F.	1987	Surficial Geology of Northern Ontario	OGS Map 2518	1:1,200,000
Zoltai, S.C.	1965	Suficial Geology, Kenora - Rainy River. Ontario Department of Lands and Forests	Map S 165	1" = 8 miles (1:506,880)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J.S.	1978	Ontario Mineral Potential, Pointe du Bois Sheet, District of Kenora (Patricia Portion). Mineral Deposits Series.	OGS Map P. 1539	1:250,000
Springer, J.S., Robertson, J.A., Vos, M.A.	1982	Mineral Potential Map of Ontario, West Central Sheet (accompanied by one overlay)	OGS OFR 5326	1" = 16 miles (1:1,013,760
Robertson, J.A., Vos, M.A.,	1976	Mineral Potential Map of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane.	ODM Map P. 1098	1" - 16 miles (1:1,013,760)
		GEOLOGICAL REPORTS AND MAPS		
Breaks, F.W.	1975	Marginal Notes for Operation Kenora - Sydney Lake; to accompany preliminary maps P.1026 to P.1031		17 pages
Breaks, F.W., Bond, W.D., Stone, D.	1978	Preliminary Geological Synthesis of the English River Subprovince, Northwestern Ontario and its Bearing Upon Mineral Exploration. Accompanied by map P.1971	OGS MP 72	1" = 4 miles (1:253,440) 55 pages
Carlson, H.D.	1955	Geology of the Werner Lake-Rex Lake Area; in Ontario Dept. of Mines Annual Report for 1957. Accompanied by maps 1957-Z "Werner Lake-Rex Lake Area (West Sheet), District of Kenora (Patricia Portion) Ontario and 1957-3 "Werner Lake-Rex Lake Area (East Sheet), District of Kenora (Patricia Portion), Ontario".	ODM AR Vol. 66, Part 4	1" = 1/2 mile (1:31680) 30 pages
Carlson, H.D.	1956	"Base Metal Exploration in the Kenora Area", Canadian Mining Journal, April, 1956.	Can. Mining Jour.	p. 87-89

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Chisholm, E.O.	1949	"The Copper-Nickel-Cobalt Occurrences in the Rex-Werner Lakes Area, Ontario", The Precambrian, April, 1949.	The Precambrian, Vol. 22	p. 12 - 15, 53 - 54
Derry, D. R.	1930	Geology of the Area from Minaki to Sydney Lake, District of Kenora; in Ontario Dept. of Mines Annual Report for 1930. Accompanied by map 39g "Minaki to Sydney Lake, District of Kenora, Ontario".	ODM AR Vol. 39 Part 3	1" = 3 miles (1:190,080) P. 25 - 41

GDIF FORM NO.9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX
(compiled from index maps only)

Roll	Line	Photo Numbers
1983, scale 1" to 1/4 mile		
5	5016	23 - 35
5	5017	155 - 168
25	5018	137 - 150
26	5019	48 - 61
28	5020	22 - 34
21	5021	23 - 36
1951, scale 1" to 1/4 mile		
14	5018	50 - 64*
15	5019	21 - 33*
15	5020	80 - 92*
16	5021	21 - 34*
16	5022	69 - 81*
1953, scale 1" to 1 mile (EMR)		
	A 13875	61 - 58*

* Photographs on file in Resident Geologist's Office, Kenora

TOPOGRAPHIC MAPS

National Topographic System

52 L/7 Umfreville Lake Sheet (scale 1:50,000)

No Ontario Base Map Series currently available for this area

NOTES AND ADDENDA

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Bergman Occurrence
2. Bug Lake Occurrence
3. Eastern Mining & Smelting Corp. - Rex Lake Occurrence (Turcotte No. 3? Occurrence)
4. Frederick Mining & Development Ltd. - No. 1 Occurrence
5. Frederick Mining & Development Ltd. - No. 2 Occurrence
6. Frederick Mining & Development Ltd. - No. 3 Occurrence
7. Hansen Occurrence
8. KRL 33380/KRL 33381 Occurrence
9. North Occurrence
10. Perkins Occurrence
11. Quebec Nickel Corp. - Rex Lake Occurrence (Turcotte No.2? Occurrence)
12. Radio-Active Minerals Ltd. - Rex Lake Occurrence (Turcotte No.1? Occurrence)

NOTES

Note A:

There is some uncertainty with respect to assay values reported in assessment files by Quebec Nickel Corp. and Eastern Mining & Smelting Corp. Ltd. in particular.

The assays in question may be reported as "precious metals" ("PM"), silver ("Ag") or both ("PM or Ag"). In some instances where duplicate logs exist, the same values may be reported as "PM" on one copy and "Ag" on another. A 1953 prospectus by Quebec Nickel Corp. refers to assay values from the Gordon Lake area as "precious metals of the platinum-palladium group" and from the Rex Lake area as "precious metals, probably platinum-palladium". The prospectus appears to suggest the basis on which "precious metals" are considered to represent platinum and palladium as follows:
"Spectrographic analysis of the silver beads produced from this ore show that there is appreciable amounts of platinum and palladium in the ore which will report as precious metals in the concentrates" (see Kenora assessment file 52 L/7 NW; N-2).

NOTES AND ADDENDA

INDEX TO KENORA ASSESSMENT FILE 52 L/7 NW; E-2
after Hailstone, M., Feb. 1987
(General File-Consolidated Canadian Faraday donation)

Certain information donated by Consolidated Canadian Faraday is available for viewing upon request. At this time, some information is available for viewing only. (* if indicated (P)*, may not be copied.)

The information is catalogued as follows:

A) Ontario Exploration
B) Gordon Lake Mine
C) Manitoba
D) Rolled Maps

This material is stored in the basement. Please consult with staff for viewing.

A) Ontario Exploration

1) VLF, Mag, IP (1971) (P)*
-Werner Lake area, East and West grids
-Consolidated Canadian Faraday Mines Ltd.

2) DDH location plans and report (1973). Two areas.
-Werner Lake Copper Zone (P)*
-Zahalin claims

3) Ore reserves report, underground geology and DDH's on ore zones. Two reports by Hicks (1962) and Armstrong (1972)
-Norpax Nickel Mine

4) Surface drilling (1971) (P)*
-Gordon Lake Mine area
-Consolidated Canadian Faraday

5) Surface drilling (1956)
-Rex Lake area
-Eastern Mining and Smelting Corp.

6) Correspondence between Jon Scoates and Mine Manager, Gordon Lake Mine (1960-63) (P)*

7) Miscellaneous early reports by consulting geologists in the general Rex-Werner Lake area

8) Summary of prospecting, anonymous (1967)

9) DDH and Summary reports on Norco and Geotecho Options (1962,1963)
-Rex-Fortune Lakes area
-Nickel Mining and Smelting

GDIF FORM NO.10

NOTES AND ADDENDA

A) Continued

10) Mag survey over G ore Zone (P)*
-Gordon Lake Mine
-Quebec Nickel Corporation Ltd.

11) Geophysics, general geology, Norco and Geoteche options
-Rex-Fortune Lakes area
-Nickel Mining and Smelting

B) Gordon Lake Mine
1) Diamond Drill Logs Series: A,B,G,W,R
2) 1958 Production Report
3) Gordon Lake Ore Reserve Reports
4) Mining, Milling, Smelting Operations Report 1957, Nickel Mining and Smelting Corp. Limited
5) UG Drilling
-levels: 300,450,600,750,1350,1500,1650 & below (C.C. Faraday)
-levels: 1,2,4,5,6,7 (Eastern Mining & Smelting)
also surface (C.C. Faraday) & other DDH (Fill Holes, etc.)
6) 1966 Kilborn Metallurgical Report
7) Monthly Surface and UG Drilling Reports (Aug/62 - Dec/66)
8) Petrology and Mineralogy of ore zones, including report on precious metals
9) UG Plans and Sections
10) Milling and Tramming Reports
11) Level Plans, Muck Sampling, Records
12) Assays

C) Manitoba
1) Block Diagram and Surface Comp. Plan-Maskwa Nickel Chrome Mines Ltd.
2) Monthly Reports - Dumbarton Mine
3) J. Doner and Ore Fault Claims - Geol. & Geophysics
4) UG Mapping Dumbarton Mine
5) Lakefield Research Reports 1974 - Recovery of Cu, Ni
6) Anson Lake Claims
7) 1967 Field Exploration Report - Cons. Cnd. Faraday. Ltd.
8) 1971 Report on the occurrence of Ni in samples taken from Dumbarton Mine by E. H. Nickel E.M.R.

D) Rolled Maps
1) 9 rolls of UG level plans, sections (P)*
2) 4 rolls surface exploration

50° 30' 00"

94° 45' 00"

Winding

R.

Rex

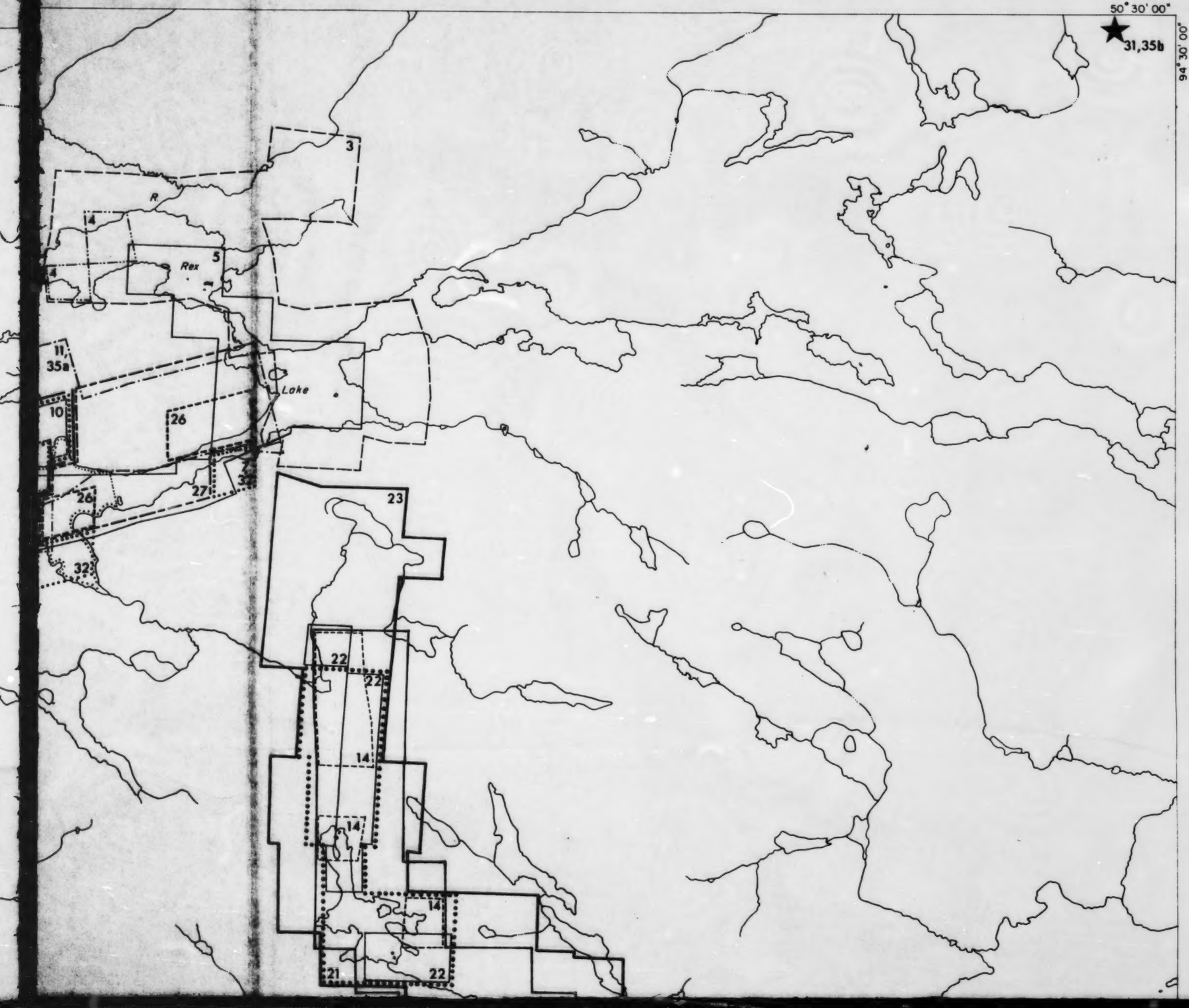
Lake

Rex

River

FALLS 5'

FALLS 59'



Ontario Ministry of Northern Development and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 452

(Map 1 of 2)

REX LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Rex

River

FALLS 9'

FALLS 35'

7½ BASE LINE

Gone

Lake

84° 45' 00"

(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

23

22

22

14

14

14

21

22

13

7th BASE LINE

Fletcher Lake.

Sturgeon R.

Cabin

Lake

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

A property or file the extent of which covers entire township or area.

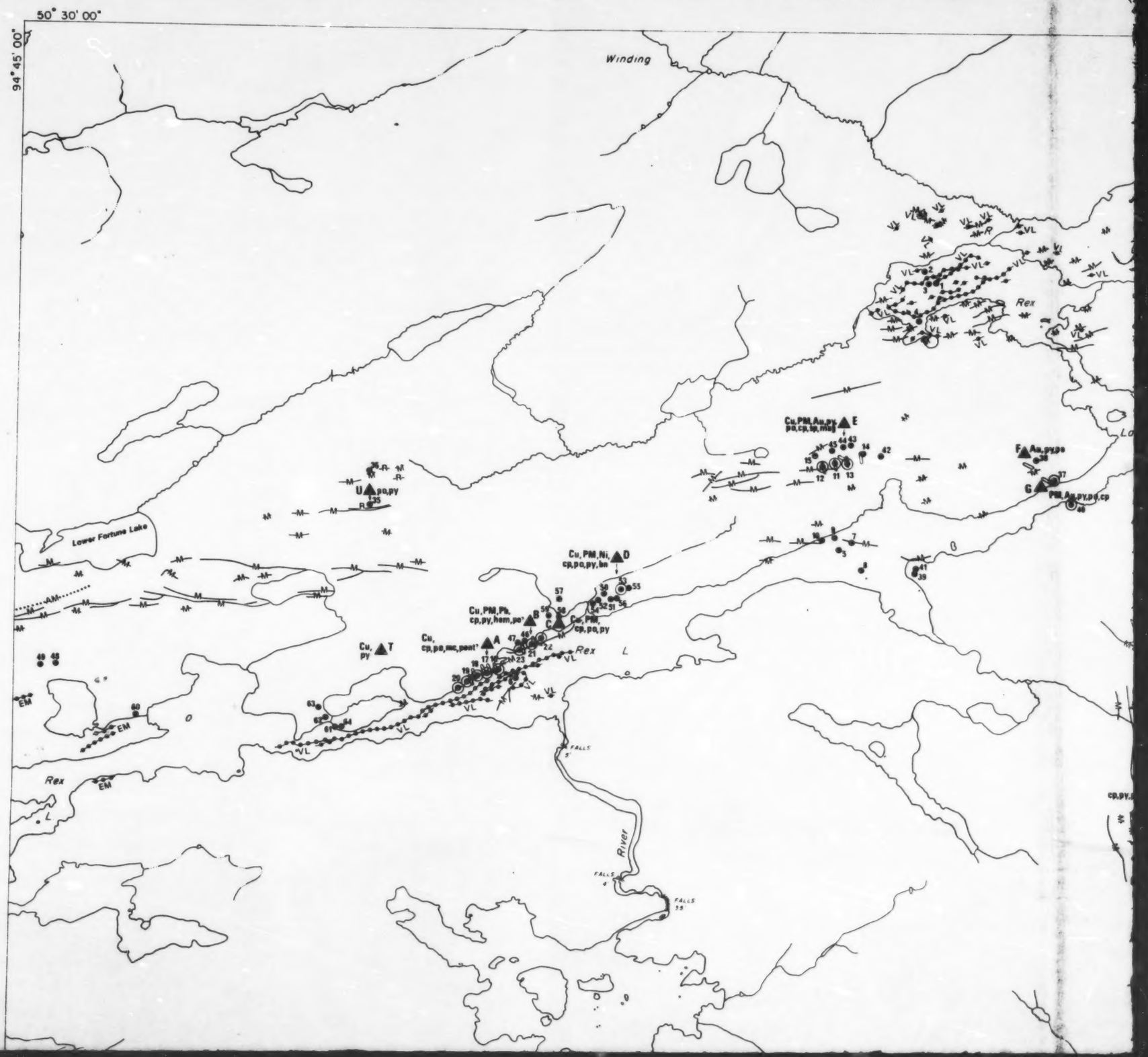
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16) Em - method unknown
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly



Winding

Rex

Lake

Cu,PM,Au,py,po,cp,sp,mag E

Au,py,po F

PM,Au,py,po,cp G

Cu,PM,Ni, cp,po,py,bn D

Cu,PM,Pb, cp,py,hem,po B

Co,PM, cp,po,py C

Cu, cp,po,mc,pent A

Cu, py T

U po,py

Rex

FALLS 5'

River

FALLS 4'

FALLS 35'

Cu,Mo,cp,po,py,mc,mag,bsm N

cp,mc

Cu cp,py,po,mag,hem

Cu cp,po,py,mag,hem

Cu,cp,po,py,mag,bsm

Bug Lake

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 452

(Map 2 of 2)

REX LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number

Length of anomaly along flight line

Airborne electromagnetic anomaly
Location of anomaly along flight line

Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible

Airborne radiometric anomaly

Ground magnetic anomaly

Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop
VLF - Very low freq.; Turam; JEM -
Crone Em - 16) Em - method unknown

Ground radiometric anomaly

Induced polarization anomaly

Self potential anomaly

Audio-frequency magnetic anomaly
(total intensity)

Resistivity anomaly

Gravity anomaly

MISCELLANEOUS DATA

Trenching, pit

Adit

Open pit

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Cu, Pb, Zn
cp, py, hem, po

Cu, Pb,
cp, po, py

Cu,
py

Cu,
cp, po, mc, pent

Rex

VL

FALLS 5

River

FALLS 4

FALLS 19

Cu, Mo, cp, po, py, mo, mag, hem

cp, mc

Cu

cp, py, po, mag, hem

Cu

Cu, Ni

Cu,
cp, po, py, mag, hem

Cr, cp, po, py, mag, hem

Bug Lake

cp, mag

cp

Cu

EM

Fletcher

7th BASE LINE

Cu

Cu, cp, py

Sturgeon R.

Cabin

Lak

Location of single drillhole, with reference number

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

Cu,Mo,cp,po,py,mo,mag,hem

cp,mo

cp,py,po,mag,hem

Cu,cp,po,py,mag,hem

Bug Lake

Cu,cp,po,py,mag,hem

cp,mag

cp

Cu'

EM

7th BASE LINE

Cu

Cu,cp,py

Fletcher Lake.

Sturgeon

Cabin

Lake

94° 30' 00"